

ORDERDEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

6930.24B

3/26/85

**FAA STANDARD DRAWINGS AND SPECIFICATION FOR MAJOR
SUBJ: ACTIVITY LEVEL ATCT**

1. **PURPOSE.** This order directs the use of standard drawing series E-5960B and E-5964A, and construction specification FAA-C-2708B for construction of a major activity level Airport Traffic Control Tower (ATCT) shaft and cab. Appendixes 1 and 2 list the individual drawings implemented by this order.
2. **DISTRIBUTION.** This order is distributed to branch level in the Program Engineering and Maintenance Service and division level in the Systems Engineering Service, Acquisition and Materiel Service, and Air Traffic Plans and Requirements and Operations Services in Washington headquarters; to branch level in the regional Airway Facilities and Air Traffic divisions; and to the Directors, FAA Technical Center and the Aeronautical Center.
3. **CANCELLATION.** Order 6930.24A, FAA Standard Designs for Level III and Level IV Airport Traffic Control Towers, dated 10/7/76 is canceled.
4. **BACKGROUND.** Improvements and corrections have been made to the previous edition of drawing series E-5960B and the associated specifications. The revisions are mostly related to the heating, ventilating, and air conditioning systems and also include construction details and stairwell improvements.
5. **APPLICATION.**
 - a. Drawing series E-5960B is applicable to the construction of an ATCT shaft and drawing series E-5964A to the construction of a cab. Construction specification FAA-C-2708B is applicable to a base building, the tower shaft, and the cab. The design documents include architectural, structural, mechanical, and electrical requirements. Additionally, the specification includes typical site work provisions. These documents are applicable up to and including seismic zone III.
 - b. Alternate drawing series may be provided for mirror imaging floor plans, corridor links, foundations, and the like. The region(s) should notify the Program Engineering and Maintenance Service of additional alternates required for specific site application.
6. **SITE ADAPTATION.** These standard drawings and the specification shall be used as a complete set of construction documents in conjunction with regional site adaptation drawings and technical provisions authorized in paragraph 8 of this order. Modification of these drawings by erasure or title block change is not authorized. Modification of construction detail is not authorized except where necessary to provide specific dimensions for site conditions such as tower link option. The details requiring regional input are noted on the drawing as "see IFB." Mean sea level (msl) elevations may be added to the standard drawings in parenthesis at the discretion of

(4) Repositioning or relayout of electrical/mechanical equipment to take maximum advantage of space efficiency, particularly when improvements can be made due to dimensions of brand specific equipment.

(5) Architectural or landscaping related items when required to make the building more compatible with its surroundings (for example: addition of equipment screens, cement or siding colors to match nearby terminal buildings, etc.).

9. CORRECTIONS TO STANDARD. Corrections to the standard may be made by the Director, Program Engineering and Maintenance Service, without further regional or interservice coordination. These may include misspellings, corrections of dimensional errors, and modification, addition, or deletion of minor details.

10. DISTRIBUTION OF DRAWINGS. Reproducible copies of the drawings and specification may be obtained from the Program Engineering and Maintenance Service, Attention: Structures Program, APM-520.



Martin T. Pozesky
Director, Program Engineering and
Maintenance Service

APPENDIX 1.STANDARD DRAWINGS FOR MAJOR ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER SHAFTSeries E-5960BMajor Activity Level Airport
Traffic Control Tower Shaft

<u>Number</u>	<u>Date</u>	<u>Revision</u>	<u>Title</u>
A-0	11/16/84		Sheet Index, Legends, and Abbreviations
A-1	11/16/84		Floor Plan
A-2	11/16/84		Reflected Ceiling Plans and Schedules
A-3	11/16/84		Tower Elevations
A-4	11/16/84		Tower Sections
A-5	11/16/84		Base Level Wall Sections and Details
A-6	11/16/84		Subjunction and Junction Levels Wall Sections and Details
A-7	11/16/84		Stair Details
A-8	11/16/84		Door Details
A-9	11/16/84		Details
S-1	11/16/84		Tower Foundation Plan and Details
S-2	11/16/84		Tower Cable Access Framing Plan and Details
S-3	11/16/84		Tower Junction and Subjunction Framing Plans
S-4	11/16/84		Tower Details
S-5	11/16/84		Tower Module Elevations and Details
S-6	11/16/84		Module Details
S-7	11/16/84		Module Details
S-8	11/16/84		Post Tensioning Details
M-0	11/16/84		Climatic Zoning Data
M-1	11/16/84		Plumbing Plans, Riser, and Details
M-2	11/16/84		HVAC Plans and Sections
M-3	11/16/84		Sections, Details, and Controls
M-4	11/16/84		Schedules
E-1	11/16/84		Floor Plan-Lighting
E-2	11/16/84		Floor Plan-Lighting
E-3	11/16/84		Floor Plans-Power
E-4	11/16/84		Floor Plans-Power
E-5	11/16/84		Schedules
E-6	11/16/84		Diagrams and Details

APPENDIX 2.STANDARD DRAWINGS FOR MAJOR ACTIVITY LEVEL
AIRPORT TRAFFIC CONTROL TOWER CABSeries E-5964AMajor Activity Level Airport
Traffic Control Tower Cab

<u>Number</u>	<u>Date</u>	<u>Revision</u>	<u>Title</u>
A-0	11/16/84		Sheet Index, Legends, and Abbreviations
A-1	11/16/84		Plans and Elevations
A-2	11/16/84		Section
A-4	11/16/84		Details
A-5	11/16/84		Details
A-6	11/16/84		Cab Console Layout and Plans
A-7	11/16/84		Console Elevations
A-8	11/16/84		Console Sections and Details
S-1	11/16/84		Walkway Framing Plan
S-2	11/16/84		Details
S-3	11/16/84		Roof Framing and Details

